



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles in Preparation - October 1999

MBL/WHOI Library
Woods Hole, MA 02543

Bucklin, Ann, Maria Guarnieri, Dennis J. McGillicuddy, R. and Sean Hill.

Spring-summer evolution of *Pseudocalanus spp.* abundance on Georges Bank based on molecular discrimination of *P. moultoni* and *P. newmani*.

Deep-Sea Res., IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10053**

Caswell, Hal and Thomas N. Kaye.

Stochastic demography and conservation of *Lomatium bradshawii* in a dynamic fire regime. *Ecology*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10052**

Elgar, Steve, R. T. Guza, W. C. O'Reilly, B. Raubenheimer, and T. H. C. Herbers.

Wave energy and direction observed near a pier. *Journal of the Waterway, Port, Coastal and Ocean Division, American Society of Civil Engineers*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10054**

Evans, Rob.

Asymmetric electrical structure in the mantle beneath the EPR at 17'S.

Science, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Fedderson, Falk, R. T. Guza, Steve Elgar, and T. H. C. Herbers.

Alongshore bottom stress parameterizations in the nearshore.

J.Geophys.Res., IN PRESS.

Department of WHOI Author: AOPE

Contribution Number: **10060**

Garland, Elizabeth D., Cheryl Ann Butman, and Steven J. Lentz.

Vertical structure in larval concentrations at an inner-shelf site: The roles of physical and larval behavior. *Limnol.Oceanogr.*, IN PRESS.

Department of WHOI Author: AOPE, PO.

Contribution Number: **10042**

Garland, Elizabeth D. and Cheryl Ann Butman.

Planktonic larval concentrations in a nearshore environment: Temporal variability on scales of hours to days. *Mar.Biol.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10043**

Geyer, W. R., J. Trowbridge, and M. Brown.

The dynamics of a partially mixed estuary. *J.Phys.Oceanogr.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **9809**

Goldner, D. R.

Steady models of Arctic shelf-basin exchange. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **NONE**

Goldner, D. R.

On the uncertainty of the mass, heat, and salt budgets of the Arctic Ocean. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **NONE**

Herbers, T. H. C., N. R. Russnogle, and Steve Elgar.

Spectral energy balance of breaking waves within the surf.

J.Phys.Oceanogr., IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10062**

Herbers, T. H. C., Steve Elgar, N. A. Sarap, and R. T. Guza

Dispersion properties of surface gravity waves in shallow water.

J.Fluid Mech., IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10061**

Hoagland, Porter, Hauke Kite-Powell, and Katherine Cox.

Coastal and marine debris in the Gulf of Maine. *Coastal Manage.*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **10064**

Hunt von Herbing, Ione and Scott M. Gallager.

Metabolic costs of pursuit and attack in early larval Atlantic cod.

Mar.Ecol.Progr.Ser., IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10063**

Irish, James D., Walter Paul, and Erik Mollo-Christensen.

Next generation ocean observing systems: Part 2, sensors/data system/sampling.

In: *Proceedings of the 16th International Conference on Interactive Information and Processing Systems*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10058**

Irish, James D., Walter Paul, and Erik Mollo-Christensen.

Next generation ocean observing systems: Part 1 platforms. In: *Proceedings of the 16th International Conference on Interactive Information and Processing Systems*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10057**

Ivanov, Dmitry L. and Amelie H. Scheltema.

Prochaetodermatidae of the Western Indian Ocean and Arabian Sea (Mollusca, Aplacophora). In: *Resultats des Campagnes MUSORSTOM, Volume 22.*

Memoires du Museum National d'Histoire Naturelle (Paris), IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10066**

Jaroslow, Gary E., Deborah K. Smith, and Brian E. Tucholke.

Record of seamount production and off-axis evolution in the western North Atlantic Ocean, 25°25'-27°10'N. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10068**

Krempe, Anke and Donald M. Anderson.

Factors regulating germination of resting cysts of the spring bloom-dinoflagellate *Scrippsiella hangoei* from the northern Baltic Sea. *J.Plankton Res.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10051**

Ledwell, J. R., E. T. Montgomery, K. L. Polzin, L. C. St.Laurent, R. W. Schmitt, and J. M. Toole.

Evidence for enhanced mixing over rough topography in the abyssal ocean.

Nature, IN PRESS.

Department of WHOI Author: AOPE, PO.

Contribution Number: **10050**

Lynch-Stieglitz, Jean, William B. Curry, Niall Slowey, and Gavin A. Schmidt.

The overturning circulation of the glacial Atlantic: A view from the top.
In: *International Conference on Paleoceanography 6 Conference Volume*,
IN PRESS.
Department of WHOI Author: GEOL.
Contribution Number: **10034**

Neubert, M. G., S. C. Blumenshine, D. E. Duplisea, T. Johnsson, and B. Rashleigh.

Body size and food web structure: Testing the cascade model's equiprobability
assumption. *Oecologia*, IN PRESS.
Department of WHOI Author: BIO.
Contribution Number: **10056**

Pratt, Larry J., Heather E. Deese, Stephen P. Murray, and William Johns.

Continuous dynamical modes in straits having arbitrary cross-sections, with
applications to the Bab al Mandab. *J.Phys.Oceanogr.*, IN PRESS.
Department of WHOI Author: PO.
Contribution Number: **10067**

Schander, Christoffer and Amelie H. Scheltema.

An alternative interpretation of the affinities of the Lower and Middle Cambrian
fossil *Wiwaxia corrugata* (Matthew, 1899) from studies of the Aplacophora.
Am.Malacol.Bull., IN PRESS.
Department of WHOI Author: BIO.
Contribution Number: **10069**

Scheltema, Amelie and Dmitry L. Ivanov.

Prochaetodermatidae of the Eastern Atlantic Ocean and Mediterranean Sea
(Mollusca, Aplacophora). *J.Molluscan Stud.*, IN PRESS.
Department of WHOI Author: BIO.
Contribution Number: **10065**

Singh, Hanumant, Oscar Pizarro, Louis Whitcomb, and Dana Yoerger.

In-situ attitude calibration for high resolution bathymetric surveys with underwater
robotic vehicles. In: *2000 IEEE International Conference on Robotics and
Automation, April 24-28, 2000, San Francisco, CA*, IN PRESS.
Department of WHOI Author: AOPE.
Contribution Number: **10037**

Skjoldal, H. R., P. H. Wiebe, and K. G. Foote.

Chapter 2: Sampling and experiment design. In: *ICES Zooplankton Methodology
Manual*, R. P. Harris, Editor-in-Chief. Academic Press,, IN PRESS.
Department of WHOI Author: BIO.
Contribution Number: **10059**

Solow, Andrew R.

On nonparametric regression under a shape constraint. *Amer.Nat.*, IN PRESS.
Department of WHOI Author: MPC.
Contribution Number: **10046**

Solow, Andrew R. and Laura Moore.

Testing for trend in a partially incomplete hurricane record. *J.Climate*, IN PRESS.
Department of WHOI Author: MPC.
Contribution Number: **10041**

**Stephen, R. A., J. A. Collins, J. A. Hildebrand, J. A. Orcutt, K. R. Peal, F. N. Spiess,
and F. L. Vernon.**

The ocean seismic network pilot experiment. *EOS*, IN PRESS.
Department of WHOI Author: GEOL.
Contribution Number: **NONE**

Watson, Andrew J.

Oceanographic tracer release experiments using sulfur hexafluoride.
J.Geophys.Res., IN PRESS.
Department of WHOI Author: AOPE.
Contribution Number: **10049**

Whitcomb, Louis, Dana Yoerger, Hanumant Singh, and Jonathan Howland.

Advances in underwater robot vehicles for deep ocean exploration: Navigation,
control and survey operations. In: *Proceedings of the Ninth International
Symposium of Robotics Research (ISRR'99), October 9-12, 1999, Snowbird,
Utah, USA*, IN PRESS.
Department of WHOI Author: AOPE.
Contribution Number: **10044**

**Yoerger, Dana R., Albert M. Bradley, Barrie B. Walden, Marie-Helene Cormier,
and William B. F. Ryan.**

Fine-scale seafloor survey in rugged deep-ocean terrain with an autonomous robot.
In: *2000 IEEE International Conference on Robotics and Automation, April 24-
28, 2000, San Francisco, California*, IN PRESS.
Department of WHOI Author: AOPE.
Contribution Number: **10024**

Compiled by: Maureen Carragher
MBL/WHOI Library
library@whoi.edu
November 2, 1999